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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

William E. Sobel

Application No.: 10/775,471

Filed: February 9, 2004

For: System State Rollback after Modification  
Failure

Confirmation No.: 1357

Group Art Unit: 2122

Examiner: not yet known

**INFORMATION DISCLOSURE  
STATEMENT**

SONNENSCHEIN NATH & ROSENTHAL LLP  
Customer No. 45969

M/S AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope, addressed to: M/S Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

4/21/05

SONNENSCHEIN NATH & ROSENTHAL LLP

Dated: 4/19/05 By: Michael C. Martensen  
Michael C. Martensen

Sir:

Applicant(s) submit(s) herewith patents, publications or other information [attached hereto and listed on the attached Form PTO-1449 (modified)] of which he is aware, which he believe(s) may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

This Information Disclosure Statement:

- (a)  accompanies the new patent application submitted herewith. 37 CFR § 1.97(a).
- (b)  is filed within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 CFR § 1.491.
- (c)  as far as is known to the undersigned, is filed before the mailing date of a first Office Action on the merits, or before a first office action after filing a Request for Continued Examination under §1.114.
- (d)  is filed after the first office action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is

known to the undersigned, prior to the mailing date of either a final rejection or a notice of allowance, whichever occurs first, and is accompanied by either the fee (\$180) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below.

(e)  is filed after the mailing date of either a final rejection or a notice of allowance, whichever occurred first, and the Issue Fee has not been paid, and is accompanied by the fee (\$130) set forth in 37 CFR § 1.17(i)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.

[If either of boxes (d) or (e) is checked above, the following "certification" under 37 CFR § 1.97(e) may need to be completed.] The undersigned certifies that:

(f)  Each item of information contained in the information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.

(g)  No item of information contained in this information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this information disclosure statement.

A list of the patent(s) or publication(s) is set forth on the attached Form PTO-1449 (Modified).

A copy of the items on PTO-1449 (Modified) is supplied herewith, except as noted below.

Those patent(s) or publication(s) which are marked with an asterisk (\*) in the attached form PTO-1449 (Modified) are not supplied because they are (a) either U.S. Patents and this an application filed after June 30, 2003, or (b) were previously cited by or submitted to the Office in a prior application no. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon in this application for an earlier filing date under 35 U.S.C. § 120.

A concise explanation of relevance of the items listed on form PTO-1449 (Modified) is:

(h)  not given

Atty Docket No.: 44420423-8314

- (i)  given for each listed item
- (j)  given for only non-English language listed item(s) [Required]
- (k)  is in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references [copy attached].

The Examiner is reminded that a "concise explanation of the relevance" of the submitted items "may be nothing more than identification of the particular figure or paragraph of the patent or publication which has some relation to the claimed invention," MPEP § 609.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists. It is submitted that the Information Disclosure Statement complies with 37 CFR § 1.98 and MPEP § 609 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge our Deposit Account No. 14-3140 for any fees required in connection with the filing of this Information Disclosure Statement. **A duplicate copy of this Notice is enclosed for this purpose.** In particular, in the event that an Office Action has crossed in the mail with this Information Disclosure Statement, the Commissioner is authorized to charge the above-named deposit account for any fees required pursuant to CFR §§ 1.17(p) or 1.17(i)(1).

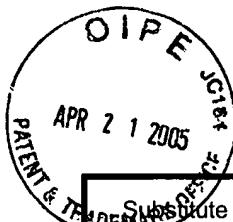
Respectfully submitted,

SONNENSCHEIN NATH & ROSENTHAL LLP

Dated: 4/19/05

By: 

Michael C. Martensen, Reg. No. 46,901  
Attorneys for Applicant(s)  
Attorney of Record



Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

**Complete if Known**

Application Number	10/775,471
Filing Date	February 9, 2004
First Named Inventor	William E. Sobel
Group Art Unit	2122
Examiner Name	Not yet known
Attorney Docket Number	44420423-8314

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		10/211827	8/2/2002	Nachenberg	
		3,969,723	7/13/1976	Kennicott	
		4,558,413	12/10/1985	Schmidt, et al.	
		4,714,992	12/22/1987	Gladney, et al.	
		4,809,170	2/28/1989	Leblang, et al.	
		5,155,847	10/13/1992	Kirouac, et al.	
		5,182,806	1/26/1993	McKeeman, et al.	
		5,204,960	4/20/1993	Smith,, et al.	
		5,479,654	12/26/1995	Squibb	
		5,495,610	2/27/1996	Shing, et al.	
		5,519,866	5/21/1996	Lawrence, et al.	
		5,566,335	10/15/1996	Nash, et al.	
		5,574,906	11/12/1996	Morris	
		5,581,764	12/3/1996	Fitzgerald, et al.	
		5,649,200	7/15/1997	Leblang, et al.	
		5,671,398	9/23/1997	Neubauer	
		5,673,387	9/30/1997	Chen, et al.	
		5,699,275	12/16/1997	Beasley, et al.	
		5,729,743	3/17/1998	Squibb	
		5,790,856	8/4/1998	Lillich	
		5,799,189	8/25/1998	Koser, et al.	
		5,893,113	4/6/1999	McGrath, et al.	
		5,905,896	5/18/1999	Delannoy	
		5,909,581	6/1/1999	Park	
		5,933,647	8/3/1998	Aronberg, et al.	
		5,948,104	9/7/1999	Gluck, et al.	
		5,953,532	9/14/1999	Lochbaum	
		5,960,204	9/28/1999	Yinger, et al.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file ( and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE**

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		Group Art Unit	2122
		Examiner Name	Not yet known
Sheet	2	of	4
		Attorney Docket Number	44420423-8314

	6,006,034	12/21/1999	Heath, et al.	
	6,006,242	12/21/1999	Poole, et al.	
	6,035,423	3/7/2000	Hodges, et al.	
	6,052,531	4/18/2000	Waldin, Jr., et al.	
	6,081,814	6/28/2000	Mangat, et al.	
	6,088,803	7/11/2000	Tso, et al.	
	6,092,080	7/18/2000	Gustman	
	6,119,165	9/12/2000	Li, et al.	
	6,151,643	11/21/2000	Cheng, et al.	
	6,178,551	1/23/2001	Sana, et al.	
	6,349,407	2/19/2002	Towfiq	
	6,418,555	7/19/2002	Mohammed	
	6,484,315	11/19/2002	Ziese	
	6,510,552	1/21/2002	Benayoun, et al.	
	6,535,894	3/18/2003	Schmidt, et al.	
	6,651,249	11/18/2003	Waldin, et al.	
	US 2004/0133776 A1	7/8/2004	Putzolu, D.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		EP 0230616 A2	8/5/1987	IBM		
		EP 0774720 A2	5/21/1997	Hewlett Packard Co.		
		EP 0735474 A2	10/2/1996	Sun Microsystems Inc.		
		WO 99/22325 A1	5/6/1999	Microsoft Corp.		
		WO 00/29945 A1	5/25/2000	Microsoft Corp.		
		WO 96/32679 A1	10/17/1996	Highwaymaster Comm Inc.		
						<input type="checkbox"/>

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With U.S. Standard 51.10 if possible. Applicant is to place a check mark here if English language translation is attached.  
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			Group Art Unit	2122
			Examiner Name	Not yet known
Sheet	3	of	4	Attorney Docket Number
44420423-8314				

OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	CiteNo. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		“User-Friendly Interface for Applying Specific Levels of Coordinated Updates to Software in the Field,” IBM Technical Disclosure Bulletin, vol. 31, No. 10, Mar. 1989, Armonk, NY, U.S.A.	
		AMBRIOLA, Vincenzo; BENDIX, Lars; and CIANCARINI, Paolo, “The Evolution of Configuration Management and Version Control,” Software Engineering Journal, Nov. 1990, pp. 303-310, retrieved from IEEE database, Sep. 24, 2002, U.S.A.	
		<u>CAUCE.org web pages [online] Coalition Against Unsolicited Commercial Email</u> <u>[retrieved 3/17/2003] Retrieved from the Internet: &lt;URL:</u> <u>http://www.cauce.org/about/problem.shtml&gt;</u>	
		GRUNDY, et al., “Support For Collaborative, Integrated Software Development,” Proc 95 Software Engineering Environments, Abstract Only, Apr. 1995, U.S.A.	
		HEDIN, Gorel, “Incremental Execution In A Programming Environment Based On Compilation,” Proc. Of Nineteenth Hawaii Intl. Conf. On System Sciences, Abstract Only, Jan. 1986, U.S.A.	
		Hurwitz Group, “Application Management for Distributed Applications,” pp. 1-7, Jun. 1998, U.S.A.	
		LINDSAY, Peter; LIU, Yaowei, and TRAYNOR, Owen, “A Generic Model for Fine Grained Configuration Management Including Version Control and Traceability,” 1997 IEEE, retrieved from the IEEE database Sep. 24, 2002, U.S.A.	
		MARIMBA, “Castanet 3.0 Product Family,” Jun. 1998, U.S.A.	
		MARIMBA, “Castanet Infrastructure Suite,” Jun. 1998, U.S.A.	
		MARIMBA, “Castanet Management Suite,” Jun. 1998, U.S.A.	
		MARIMBA, “Castanet Production Suite,” Jun. 1998, U.S.A.	
		Pocket Soft, “.RTPatch® Professional for Windows, NT, and DOS Binary Update System,” pp. 1-6. Jun. 23, 1998, <a href="http://www.pocketsoft.com\whtwind.html">http://www.pocketsoft.com\whtwind.html</a> , U.S.A.	
		POLLOCK, Lori, “Incremental Version of Iterative Data Flow Analysis,” IEEE Trans Software Eng., v 15, n 12, Abstract Only, Dec. 1989, U.S.A.	

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				Group Art Unit	2122
				Examiner Name	Not yet known
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	REICHENBERGER, Christoph, "Orthogonal Version Management," Universitat Linz, Institute fur Informatik, Austria, 1989 ACM.	
	"News Release – Symantec Delivers Cutting-Edge Anti-Virus Technology with Striker32", October 1, 1999, 2 pages, [online]. Retrieved on November 11, 2003. Retrieved from the Internet:<URL: <a href="http://www.symantec.com/press/1999/n991001.html">http://www.symantec.com/press/1999/n991001.html</a> >. Author unknown.	
	"Software: Windows ME; Windows ME and System File Protection", [online] last updated March 11, 2002, [retrieved on 4/9/2002] Retrieved from the Internet: <URL: <a href="http://www.wackyb.co.nz/mesfp.html">http://www.wackyb.co.nz/mesfp.html</a> >.	
	MORAR, J. E. and Chess, D. M., "Can Cryptography Prevent Computer Viruses?", Virus Bulletin Conference 2000, September 2000, pp. 127-138, Virus Bulletin Ltd., Oxfordshire, England.	
	Wikipedia.org web pages [online], Wikipedia, [retrieved 3/17/2003] Retrieved from the Internet: <URL: <a href="http://www.wikipedia.org/w/wiki.phintl?title=machine%20learning&amp;printable=yes">http://www.wikipedia.org/w/wiki.phintl?title=machine learning&amp;printable=yes</a> >.	
	MACNAMRA, JOHN E., "Technical Aspects of Data Communication", 2ed. 1982, Digital Equipment Corporation, U.S.A. pp. 110-122.	
	"Gold Parser, A Free Multi-Platform Parser Generator", [online] devincook.com [retrieved 10/7/2003] Retrieved from the Internet: <URL: <a href="http://www.devincook.com/goldparser/index.htm">http://www.devincook.com/goldparser/index.htm</a> >.	
	"RFC 2821 - Simple Mail Transport Protocol", Klensin J., editor, April 2001, [online] Faqs.org [retrieved 10/13/2003] Retrieved from the Internet: <URL: <a href="http://www.faqs.org/rfcs/rfc2821.html">http://www.faqs.org/rfcs/rfc2821.html</a> >.	
	ORE, Oystein, "Number-Theory and Its History", 1976 Gudron Ore, U.S.A. pp. 124-129.	

Examiner Signature	Date Considered
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